

7/10/2017



**RELIABILITY MONITOR REPORT  
FOR**

**MFN C3**

**MAXIM INTEGRATED**

**160 RIO ROBLES  
SAN JOSE, CA 95134**

**This Report was prepared by  
MAXIM INTEGRATED Reliability Engineering**

**Summary:**

The data in the tables that follow was generated as the result of an on-going Process Reliability Monitor. The specific products in this process monitor are:

MAX3232EEUP+	MAX3232EUE+	MAX3232EUE+
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The calculated failure rate for devices using this process is:

**FAILURE RATE:    MTTF (YRS): 61623    QUANTITY: 318    FAILS: 0    FITS: 1.9**

The parameters used to calculate this failure rate are as follows:

**Cf: 60%                    Ea: 0.7                    Tu: 25    °C**

The reliability data follows and in this section is the detailed reliability data by stress. The reliability data section includes the latest data available. This report covers data between 4/1/2017 and 6/30/2017 .

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**Process Information:**

Process Description:            MFN C3

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1619	MAX3232EUE+	135°C	1000 HRS	79	0	J2DXBA301C
HIGH TEMP OP LIFE	1622	MAX3232EEUP+	135°C	1000 HRS	79	0	JAKC4A078BC
HIGH TEMP OP LIFE	1644	MAX3232EUE+	135°C	1000 HRS	80	0	J2DXBA351CX
HIGH TEMP OP LIFE	1703	MAX3232EUE+	135°C	1000 HRS	80	0	J2DXBA374FX
<b>Total:</b>						<b>0</b>	

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	1619	MAX3232EUE+	150°C	1000 HRS	80	0	J2DXBA301C
STORAGE LIFE	1622	MAX3232EEUP+	150°C	1000 HRS	79	0	JAKC4A078BC
STORAGE LIFE	1644	MAX3232EUE+	150°C	1000 HRS	80	0	J2DXBA351CX
STORAGE LIFE	1703	MAX3232EUE+	150°C	1000 HRS	80	0	J2DXBA374FX
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1619	MAX3232EUE+	-65C TO +150C (Condition C)	1000 CYS	79	0	J2DXBA301C
TEMP CYCLE, 5' RAMP, 10' DWELL	1622	MAX3232EEUP+	-65C TO +150C (Condition C)	1000 CYS	79	0	JAKC4A078BC
TEMP CYCLE, 5' RAMP, 10' DWELL	1644	MAX3232EUE+	-65C TO +150C (Condition C)	1000 CYS	80	0	J2DXBA351CX

TEMP CYCLE, 5' RAMP, 10' DWELL	1703	MAX3232EUE+	-65C TO +150C (Condition C)	1000	CYS	80	0	J2DXBA374FX
<b>Total:</b>							<b>0</b>	

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1619	MAX3232EUE+	130C, 85%	100	HRS	80	0 J2DXBA301C
BIASED MOISTURE	1622	MAX3232EEUP+	130C, 85%	96	HRS	79	0 JAKC4A078BC
BIASED MOISTURE	1644	MAX3232EUE+	130C, 85%	96	HRS	80	0 J2DXBA351CX
BIASED MOISTURE	1703	MAX3232EUE+	130C, 85%	96	HRS	80	0 J2DXBA374FX
<b>Total:</b>							<b>0</b>

**FAILURE RATE:      MTTF (YRS): 61623      QUANTITY: 318      FAILS: 0      FITS: 1.9**